

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number SA03814AT

This certificate issued to Embry-Riddle Aeronautical University
600 S. Clyde Morris Blvd.
Daytona Beach, FL 32114

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 3 of the Civil Air Regulations and Part 23 of the Federal Aviation Regulations.

Original Product - Type Certificate Number 3A20

Make : Raytheon Beechcraft

Model : King Air C90, Serial No. LJ-807, Registration No. N802DG

Description of Type Design Change: Installation of an aerial spray unit system in accordance with Embry-Riddle Aeronautical University, Master Document List (MDL), ERAU-L-001-HC, Revision 3, dated October 14, 2008, or later FAA approved revision.

Limitations and Conditions: Data pertaining to this modification is considered inadequate for duplication in other aircraft. This approval is limited to the modification of Raytheon Beechcraft King Air C90 aircraft, Serial Number LJ-807, Registration Number N802DG only. Airplane Flight Manual Supplement (AFMS), Embry-Riddle document ERAU-M-015-HC, Revision NC, dated October 8, 2009, or later FAA approved revision, is a required part of this STC. Instructions for Continued Airworthiness (ICA), Embry-Riddle document ERAU-M-018-HC, revision IR, dated August 17, 2009, or later FAA approved revision, is also a required part of this STC, and must be incorporated into the operator's maintenance program. This STC allows for two modifications for alternate use: 1.) With the spray system removed the subject aircraft will be operated and maintained under "normal category" 14 CFR Part 23 and 2.) With the spray system installed the aircraft will operate in "restricted category" under 14 CFR part 137 and part 21.25, agricultural aircraft operations for the purpose of aerial spraying. A copy of this certificate must be maintained as part of the permanent records for the modified aircraft.

(Continued on page 2 of 2)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 19, 2006

Date of issuance: October 08, 2009

Date reissued :

Date amended :

By direction of the Administrator



(Signature)

Melvin D. Taylor, Manager
Atlanta Aircraft Certification Office

(Title)



INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transferee) _____

(Number and Street)

(City, State, and ZIP code)

from *(Name of grantor) (Print or type)* _____

(Address of grantor) _____

(Number and Street)

(City, State, and ZIP code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA03814AT

Date of Issuance: October 08, 2009

Certification Basis:

1. The type certification basis for the Raytheon Beechcraft model identified on page 1 of this certificate is shown on TCDS 3A20 for parts not changed or not affected by this change.
2. The type certification basis for the parts changed or affected by the change since the reference date of application, May 19, 2006, is shown on TCDS 3A20.
3. Additionally, the applicant has voluntarily complied with 14 CFR at the latest amendment 23-0 through 23-55 as follows:
23.1, 23.21, 23.23(a)(b), 23.25, 23.29, 23.45(a)1(f), 23.49(b), 23.51(a)1, 23.53(a)(b), 23.63(a)(c), 23.65(b)1,2, 23.66(a thru f), 23.67(b), 23.69(a)(b), 23.73(b), 23.75, 23.77(b), 23.141, 23.143, 23.145(a thru e), 23.147(a)(b)(c), 23.149(a thru e), 23.153(a thru d), 23.155(a thru d), 23.157(a thru d), 23.161(a thru e), 23.171, 23.173(a)(b)1(c), 23.175(a)(b)1(c), 23.177(a)(b)(d), 23.181(a)1(b)1(c)(d), 23.201(a thru e), 23.203(a thru c), 23.207(a thru c), 23.251, 23.253, 23.301, 23.303, 23.305, 23.307, 23.321, 23.331, 23.333, 23.335, 23.337, 23.341(a)(c), 23.343(a), 23.347(a), 23.471, 23.473, 23.601, 23.603, 23.605, 23.607, 23.609, 23.611, 23.613, 23.619, 23.623, 23.625, 23.627, 23.771(a), 23.777(a)(b), 23.777(a)(b), 23.831, 23.867(b)(c), 23.1301(a thru d), 23.1309(a)1(d), 23.1322, 23.1351(a)(b), 23.1357, 23.1359, 23.1367, 23.1401, 23.1431(b), 23.1438(b), 23.1507, 23.1519, 23.1523(b), 23.1524, 23.1525, 23.1527, 23.1529, 23.1541, 23.1543, 23.1559(b)(c), 23.1581, 23.1583, 23.1585, 23.1587, 23.1589.